bsm-54402R **[Primary Antibody]**

hUPF1 Recombinant Rabbit mAb

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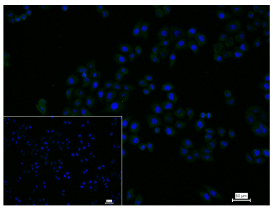
DATASHEET

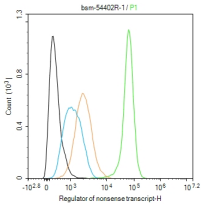
Host: Rabbit
Isotype: IgG
Clonality: Recombinant
CloneNo.: 8B15
GeneID: 5976
Target: hUPF1
Immunogen: A synthesized peptide derived from human Regulator of nonsense transcripts 1: 1-53.
Purification: affinity purified by Protein A
Concentration: 1mg/ml
Storage: 0.01M TBS(pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Background: In eukaryotes, it is essential to have the ability to detect and degrade transcripts that lack full coding potential. Nonsense-mediated RNA decay (NMD) protects the organism by avoiding the translation of truncated peptides with dominant negative or deleterious gain-of-function potential. Rent1, a mammalian ortholog of Upflp, is essential for embryonic viability (1–3). Rent1 (also designated regulator of nonsense transcripts and HUpf1) contains an N-terminal zinc finger-like domain, NTPase domains and a region comprised of domains that define Rent1 as a superfamily group I helicase.

Applications: **Flow-Cyt** (1ug/Test)
ICC/IF (1:100)
IP (1:10-50)
Reactivity: Human (predicted: Mouse)
Predicted MW.: 124 kDa
Subcellular Location: Cytoplasm

VALIDATION IMAGES



4% Paraformaldehyde-fixed Hela(H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Regulator of nonsense transcripts 1) monoclonal Antibody, unconjugated (bsm-54402R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The HepG2 (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C,the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.).Primary Antibody (green): Rabbit Anti-Regulator of nonsense transcripts 1 antibody (bsm-54402R): 1 µg/10^6 cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-FITC (bs-60295G-FITC): 1 µg/test. Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.